

**IN THE CLAIMS:**

**Please cancel claims 1 and 5 as indicated below:**

1.(Cancelled).

2.(Cancelled).

3.(Cancelled).

4.(Cancelled).

5.(Cancelled).

6.(Cancelled).

7.(Previously amended) A fluid-borne hazard detection and fluid treatment system, comprising:

at least one detector deployed at nodes along a fluid distribution system for detection biological microorganisms and/or chemicals;

communications system deployed with said detectors at the nodes for reporting detection of the biological microorganisms or the chemical to remote monitoring systems and for receiving treatment commands from said remote monitoring systems; and

treatment areas deployed at said nodes for providing ultraviolet light into fluid containing said biological microorganisms, said treatment areas further comprising a housing having an entry point for receiving fluid into said treatment area and an exit point for allowing treated fluid to continue moving towards its point of use and at least one ultraviolet

semiconductor laser light source coupled to the housing, said treatment area for providing ultraviolet light into fluid containing biological microorganisms.

8.(Original) The invention of claim 7, further comprising flow sensors deployed at said nodes, wherein said sensors turn on the ultraviolet laser light sources whenever flow through nodes is sensed.

9.(Cancelled).

10.(Original) The invention of claim 7, further comprising at least one shut-off valve deployed at said nodes, said at least one shut-off valve responsive to at least one of said detectors or said remote monitoring systems by blocking fluid flow through said nodes.

11.(Cancelled).

12.(Cancelled).

13.(Cancelled).

14.(Cancelled).

15.(Cancelled).

16.(Cancelled).

17.(Cancelled).

18.(Cancelled).

19.(Cancelled)

20.(Cancelled).

21.(Previously amended) The invention of claim 7 wherein said housing is fluidtight and comprised of stainless steel internal surfaces that are highly polished.

22.(Cancelled).

23.(Previously amended) The invention of claim 7, further comprising a variable wavelength controller can be provided to adjust the wavelength of light produced by the ultraviolet laser light source in response to detection by said at least one detector.

24.(Previously amended) The invention of claim 7, further comprising a flow sensor wherein said flow sensor can cause said at least one ultraviolet laser light source to be turned on whenever fluid flow through said treatment area is sensed.

25.(Previously amended) The invention of claim 7, further comprising at least one filter deployed near at least one of said entry or exit points.